

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.

facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



July, 2018

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 **IRLP:** 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Gals on the Air!

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

July 4. . . Bisbee 4th of July Coaster run
July 21. . . SaguaroNTS Emergency Drill - Byron AA7BM
July 28. . . White Mountain Hamfest
Sept 1-3. . . Paradise Special Event-Training
Sept 29. . . RST HamFest
Sept 29. . . Nami Bike Event
Oct 7. . . Tucson Ham Picnic - Angie N7EMB, Chris N7JND, Don KD7UIZ
Oct 19. . . Socorro Amateur Radio Assoc.
Oct 21. . . Making Strides Against Breast Cancer - Angie N7EMB
Nov 10 . . . Alzheimer's Walk - Angie N7EMB



Apr 27, 2019 . Tucson Ham Picnic - Angie 7NEMB, Chris N7JND, Don KD7UIZ

Did you know that you can see the Public Service Opportunities on soazhamservice.net? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every second Wednesday of month at 7:30 pm*

Saturday:

*ERC (Emergency Response Communications) Net -8:45 am ,
2nd Saturday of the month (20-25 min duration)*



EAARS Officers and Staff

Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

Staff

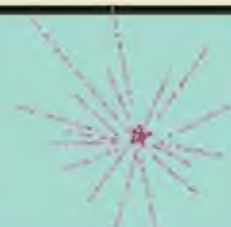
Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

Net Control Operators

Rick W8YBM	1st Sunday
Angie N7EMB	2nd Sunday
Mike W7IJ	3rd Sunday
Chris N7JND	4th Sunday



Next EAARS Meeting
Tuesday, July 17th, 2018
6:30 pm
Search and Rescue, Thatcher



RST and Laurel VEC have teamed together to bring to Tucson the first 'FREE FREE' Amateur Radio Testing Service in AZ. RST has been offering FREE exams and fast licensing service since 2012.

If you are looking to get your Technician License or upgrade, no more excuses! It's FREE! So start studying and we will see you at the next test session!

All testing dates are on a Monday at 7:00 pm @
 Hardesty Mid-Town Police Building
 1100 S Alvernon, Tucson 85711

July 9, 2018
 August 13, 2018
 September 10, 2018

October 8, 2018
 November 12, 2018
 December 10, 2018

GOOD LUCK! Hear You on the Air!

New EAARS Members!

☆
welcome



George KI7VBW
Chris KD7BOW
Jim AE7JP
Brent KG7UYD

totally
awesome

General License Upgrade

A General Upgrade Class will begin in September. Below is the important information to add to your calendar.

Class Begins: Sunday, September 9, 2018

Ends: Will continue for 9 consecutive Sundays, with class ending November 4th, 2018

Time: 6:00 to 9:00 pm

Location: Hardesty Police Station (Alvernon/22nd)

Contact Person: Ken Lesniak, KG7KHY

Contact Email: kg7khy@gmail.com

Costs Involved: Class and Testing are FREE. Cost for book used in class is \$24 through Amazon

As always, FCC exams administered by RST are FREE, at no charge! The learning class is also FREE. The cost for the book used in the general class is \$24 if bought through Amazon. Contact Ken KG7KHY for more information.

Good Luck!

EAARS Field Day

by Curt Laumann K7ZOO and Dan Quaintance AF7EF

The EAARS club operated Field Day 2018 up on a mesa seven miles northwest of Pima, Arizona. Eleven participants assisted in many ways: assembling equipment, operating, cooking, and socializing. In summary, it was a great success!

Setup started on Friday, with Dave Wells (N7AM), Dan Quaintance (AF7EF), Dakota Quaintance (AF7EF's Grandson), Allen Foraker (KI7TFN) and Curt Laumann (K7ZOO) erecting antennas, readying the generator and connecting equipment. Virtually all of the systems were up and running by mid-afternoon. Local computer network connections were finalized and donuts (thanks Dave!) consumed on Saturday morning. K7EAR was on the air promptly at 11 am local – the beginning of the contest – with Gary Lenzi (W7MIN) running PSK31, Dan on HF, and Curt pounding out CW. Later Saturday evening and Sunday, Dave Wells ran the PSK station.

The club bus and equipment provided a solid base for our portable operation: two Yaesu FT-1000MP's were used for PSK31 and SSB QSO's. Club antennas included an Off Center Feed (OCF) dipole and a 5-band vertical antenna. Dan's moxon, mounted on his motorhome, provided significant gain to the northeast direction. Curt supplied a TenTec Eagle and 135 foot doublet for use on CW. A new generator was recently purchased and added to the K7EAR portable equipment arsenal. With its higher-current output (enabling the use of air conditioning in the bus), electric start and a large capacity gas tank this generator was a dream to use. Also new to this year was the addition of a satellite operation. A pair of FT-817nd's along with an Arrow dual-band antenna were used for both FM and linear satellites.

Saturday evening Arvin Winters arrived to cook us a good dinner! Arvin supplied hamburgers and hotdogs, chips and condiments on Saturday night. Many thanks due for a good meal.

K7EAR's operation spread out in many different dimensions, motivated by the many different types of bonus points available on Field Day. Visitor Amy Kalm made 10 contacts on the Get On The Air (GOTA) station. Hank Metzger from Graham County Emergency Services visited the site and witnessed our portable operation. Both local print media and social media were used to advertise our presence. A satellite contact using CW was made with a station in Los Angeles. Solar power was used to make at least 5 contacts using a Yaesu FT-890. Multiple pieces of Radiogram traffic were sent out (thanks to Byron, AA7BM!). A class on satellite operations was conducted. All told, K7EAR captured 1470 bonus points.

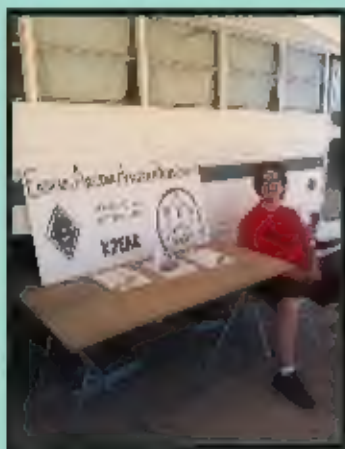
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EAARS Field Day - Continued

Operations on the air were a bit challenging, with band conditions less than optimal. Usually the "money band," 20 meters was a bit weak and suffered QSB. 40 meters turned out to be the band of choice, providing contacts both during the day and throughout the night. Evidence of a rising sunspot cycle was seen: 15 and 10 meters were both open a large portion of the day. Even in these conditions the QSO count was strong: PSK 87, SSB 90, CW 306.

Our operation ran even better this year, as evidenced by the improved submitted score of 3222! (compared to 2017's score of 2590). There are many opportunities to participate in many different ways - we look forward to see many of you next summer for Field Day 2019.



**Dakota Quaintance
greeted arrivals at our
Field Day site.**



**Dan AF7EF carefully
assembling his moxon.**

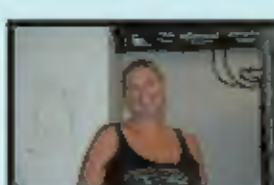
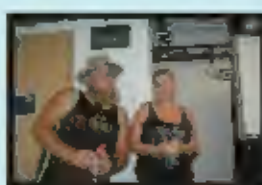
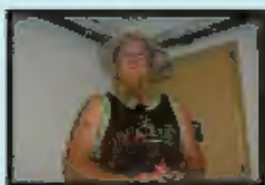
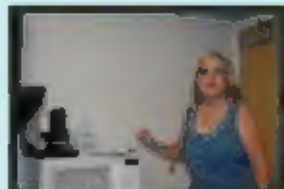
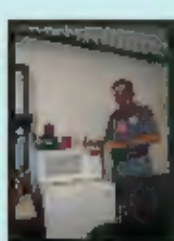
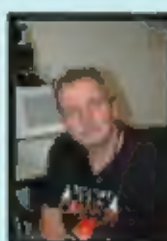
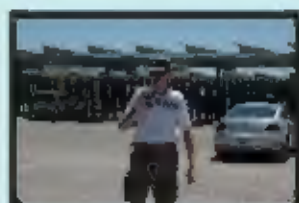
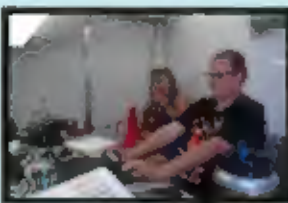
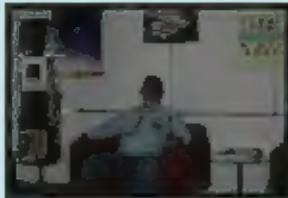
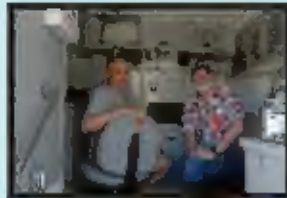
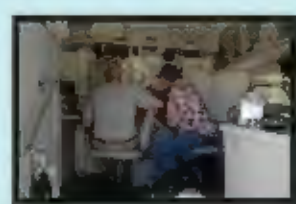
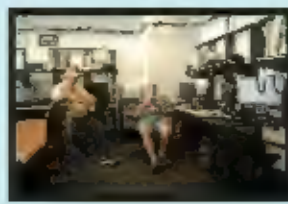


**The EAARS bus and Dan AF7EF's
motorhome supported antennas for
FD2018.**



**Curt K7ZOO conducted a
class on satellite operations.**

RST Field Day @ PECOC



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RST Field Day @ PECOC

The Radio Society of Tucson held its Field Day activities at the PECOC facilities in Tucson near Reid Park. Although scheduled to be on top of the Catalina Mountains, due to many restrictions, it was decided that Plan B be initiated. It was the work of Mike - W7IJ that landed us this location and although we had heat in excess of 100 degrees, the club was able to work out of the MCU truck (formally The Toad) and also the MCT (Mobile Command Trailer in addition to the radio room.

In lieu of names because I will miss one or two, I will simply say Thanks to ALL who came out and joined the fun. A few contacts were made by the GOTA station as 20 Meters seemed to be the best option for the limited day.

Although we all want to have the comfort of operating on a mountain top, we must be ready to deploy into any conditions and any location which may not be our preference. So, operating in the Tucson Valley, proved to be a learning experience to prepare us for deployment should it come, if we are needed.

FIELD DAY 2018 TUCSON, ARIZONA JUNE 23, 2018

I received my Technician License in January 2018 and my General License in June 2018. I attended my first ARRL Field Day event and enjoyed the time I spent around all the other HAM Radio Operators. The biggest thing I really liked about the time at the event was learning about the different types of antennas that can be used to transmit and receive radio waves.

The antenna that I got to help setup and transmit on was called a folded di-pole and it was very interesting learning how to set this up and how it works. We were able to make a lot of contacts from this antenna after the vertical antenna was not working that well on transmitting or receiving.

I would like to thank W7IJ for getting the Peacock Center location in Tucson setup for all that attended the event as he was instrumental in putting this together in a very short amount of time after it was determined that it could not be held on top of the mountain.

I also want to thank AA7BM for working with me on the proper way to transmit on HF since this was only my second experience on the HF Frequencies. He provided a lot of information on the proper technics to use when trying to make contacts. Also, learned a lot from him about the Saguaronts Net that he is associated with.

Thanks again to everyone that attended the ARRL Field Day and allowed me to learn a lot about HAM Radio and HF Frequencies.

Max Presnell - KI7TIG

Meeting of the Minds at the Triple T Truck Stop

Occasionally these little stories are cool to post. On June 26, 2018, a meeting of a few Hams came together at the Triple T truck stop. It has been in the planning stages for a while to just get together and have some coffee and a little food and just enjoy meeting one another.

Jim – KI7JIM, Ruth – KD6KBO, Fred – WW6F, Dave – W7DCM along with his daughter and grandson met at the Triple T to share a few words in person. It's pretty cool to be able to shake the hands of those you speak to regularly and meet in person. And that's what happened at the Triple T. We were able to snap a couple of photos for the newsletter. Thanks for sharing.



FCC Marks 84th Anniversary

ARRL - 06/19/2018

The Federal Communications Commission turned 84 years old on June 19, the FCC tweeted. The FCC came into being in 1934 as an independent agency of the federal government when Congress passed the Communications Act of 1934, abolishing the Federal Radio Commission (FRC) — created in 1912 after the Titanic disaster — and transferring jurisdiction over radio licensing — including Amateur Radio licensing — to the new FCC.



According to its website, the FCC “regulates interstate and international communications by radio, television, wire, satellite, and cable in all 50 states, the District of Columbia, and US territories,” and it implements and enforces US communications law and regulations. The FCC is composed of five commissioners appointed by the president, who must undergo confirmation by the US Senate. The president designates one member as the FCC chairman. — Thanks to Bob Weinstock, W3RQ

The EAARS Courtesy Beep

By popular demand.... by Chris N7JND

Since we've gained many more EAARS members since this was last posted, I felt it was worth printing again so we all understand the purpose of the EAARS Courtesy Beep on the repeater.

We've all heard the courtesy beep after every transmission on the EAARS system. But why is it there? What's its purpose? And most of all, why should we pay attention to it?

The courtesy beep serves TWO valuable functions on the EAARS system...



First of all, you will notice there's a short timed space between the time the person un-keys their microphone until the courtesy beep sounds. It's this timed space that provides a moment of silence to allow any emergency traffic to break in. If someone urgently needs the frequency, it's that space where they will most likely call. Although it's more commonly used for "COMMENT", "BREAK", ETC... We've all accepted that there are going to be those that must break in with constant COMMENTS. But, the space should ALWAYS be reserved for EMERGENCY break-in's. Our number one purpose for Ham Radio, is to handle emergency traffic. We should always be on the alert for such a call. Please reserve this space for such a call.

Secondly, there are so many times people key up immediately after someone un-keys their microphone. THIS IS BAD BAD BAD RADIO PRACTICE. First of all, you are not allowing time for Emergency Traffic to break in. You are also preventing the repeaters the chance to reset their TOT's (Time Out Timers). It's only after the courtesy beep sounds, that the time out timers are reset. If you and the party you are talking with continue to "Quick Key" and continue to ignore the courtesy beep, you WILL time the system out after approx. three minutes. And then someone will usually come on and have to educate you on the courtesy beep (And They Will). With this in mind, you are NOT required to wait for the repeater to drop out to take your turn. That in itself can become quite annoying. Just simply wait for the courtesy beep and continue and enjoy your conversation.

So, that's the TWO main reasons there's a courtesy beep on the EAARS system. It serves a great purpose for being there. Please respect it and ALWAYS listen for it before taking YOUR turn.



WHITE MOUNTAIN

Saturday, July 28 7 AM to Noon

HAMFEST-SWAP MEET

**FREE ADMISSION
FREE PARKING**

Mountain Meadows Park
1101 Woodland Rd. Lakeside, AZ

GRAND
PRIZE:

FEATURING:

- Hourly PRIZES!
- RAFFLES!
- Emergency Communications Information
- FCC License Testing 9:00 A.M.
- ARCA MEETING 11:00 A.M

ICOM IC-2730A
VHF-UHF DUAL BAND
MOBILE TRANSCEIVER



Vendor Space:
\$10.00

Call-in Frequencies:
Simplex 146.53
Repeater 146.76 PL=162.2



July fourth




HAMFEST

PIRETOP LAKESIDE, ARIZONA
MOUNTAIN MEADOWS PARK 1101 W. WOODLAND RD.
JULY 28, 2018

9:00 Testing @ 9am
Talk-In Frequency 146.750 - PL 162.2
Refreshments Available

Parking Free 1 Vehicle & 10 Spaces

PRIZE DRAWINGS

HOURLY & GRAND

See you at the swap meet!

Cooking up
Some Magic



Clean & Hungry Boneless Buffalo Wings

**1/2 of recipe (5 wings):**

174 calories
3g total fat (0.5g sat fat)
648mg sodium
7g carbs
1g fiber
0.5g sugars
27.5g protein

Prep: 10 minutes
Cook: 20 minutes

Ingredients:

1/4 cup whole-wheat panko breadcrumbs
8 oz. raw boneless skinless chicken breast, cut into 10 nuggets
2 tbsp. egg whites (about 1 large egg's worth)
2 tbsp. Frank's RedHot Original Cayenne Pepper Sauce
Seasonings: onion powder, garlic powder, cayenne pepper

Directions:

1. Preheat oven to 375 degrees. Spray a baking sheet with nonstick spray.
2. In a wide bowl, combine breadcrumbs with 1/8 tsp. onion powder, 1/8 tsp. garlic powder, and a dash of cayenne pepper. Mix well.
3. Place chicken in another wide bowl. Top with egg whites, and flip to coat.
4. One at a time, shake chicken nuggets to remove excess egg, and lightly coat with breadcrumb mixture. Evenly lay on the baking sheet.
5. Bake for 8 minutes. Flip chicken. Bake until light golden brown and crispy, about 8 more minutes.
6. Meanwhile, in a small bowl, combine hot sauce with 2 tsp. water. Mix well.
7. Transfer chicken to a medium-large bowl.
8. Drizzle with sauce, and gently toss to coat.

MAKES 2 SERVINGS

kiss the
COOK

*This recipe is from the **Hungry Girl Clean and Hungry** cookbook. I have made this several times. The great nephews absolutely loved them, as does the husband!*